his Version (A) differ from the original version of this CCR as follows:

Proposed link deletions between SMC-3330#A/B and 3335#A/B to C-MSS-66000 and 66001 are removed from the tables. Action Item to MSS to provide necessary Level 4s to complete the coverage. For RBR requirements SMC-3310#B, SMC-3315#B, SMC-3330#B, SMC-3335#B; Added links to C-MSS-92080, 92090, 92100, 92110, 92120, 92130 in response to Action item.

SMC-1630#B is removed from this CCR and an Action Item to Rel. B PDPS/MSS to complete development of Food Chain Level 4 requirements is issued.

SMC-0320#B is changed to clarify to identify differences between Rel A & Rel B responsibilities. Removed links between SMC-0320#B to MSS-50235 & 51120

Removed last portion of interpretation field for RBR requirement SMC-1300#A. Added mapping to link SMC-1300#A to C-MSS-91010 to cover Office Automation.

Unclear and extraneous comment in interpretation field for RBR SMC-1300#B deleted. Removed link between SMC-1300#B and C-MSS-91010

Included production plan transfers requirement SMC-1315#B. Added mapping to link new requirements S-PLS-00360, 00365, and 00370 to SMC-1315#B. Added link between SMC-1315#B and S-PLS-02050.

SMC-1330#A/B: Deleted links to S-PLS-1440 and 1480; Add links to revised S-PLS-1410; replace text here with revised text for S-PLS-1430, 1470, and 1500; The change to this group of requirements is uniformly applied in the reference table (Table 1) of this CCR.

Included Office Automation requirements SMC-1300#A and SMC-1360#B. SMC-1360#A & #B are linked to C-MSS-91010

S-PLS-00305: Duplicate number used for two new requirements. Change second to 00312.
Provided indication of ‘NEW’ & Type for the new Level 4 requirements.

Miscellaneous editorial changes are made.

MC Planning and Scheduling Requirements, Revised for Planning Subsystem Application Based on RTM RELB_CDR_030196

ABLE 1: Table 1 represents the Reference Table for the changes that are to be made by this CCR.

L3 RbR ID	RTM key	L3 RbR Text	RbR Type	Interpret	L4 ID	Rel	RTM key	L4 Rqmt Text	Clarific	Req Type
SMC-0320#A	new	The SMC shall be capable of scheduling ground activities to a minimum of one minute resolution.	functional	Resource Planning at DAACs and SMC; A: Exclusive allocation	S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-0320#A					S-PLS-00307	A	NEW	The PLANG CI shall, when a ground event is scheduled, identify and display (via GUI) conflicts with previously scheduled ground events.		interface
SMC-0320#A					S-PLS-00312	A	NEW	The PLANG CI shall provide the capability to receive MSS site configuration management information for resource planning.		interface
SMC-0320#A					C-MSS-60235	A	NEW	The MSS Fault Management application service shall provide configuration management information to the PLANG CI for resource planning.		interface
SMC-0320#A					S-PLS-00315	A	NEW	The PLANG CI shall provide the capability to maintain a list of planned site resources, via GUIs, with the specific capabilities to add, update, delete, and query on site resources.		interface

SMC-0320#A					S-PLS-00320	A	NEW	The PLANG CI shall provide the capability to associate a default activity to a planned site resource.		functional
SMC-0320#A					S-PLS-00325	A	NEW	The PLANG CI shall provide the capability to enter, via GUIs, site resource requests, to support ground events.		interface
SMC-0320#A					S-PLS-00330	A	NEW	The PLANG CI shall provide the capability to maintain site resource requests, via GUIs, with the specific capabilities to add, update, delete, and query on site resource requests.		interface
SMC-0320#A					S-PLS-00335	A	NEW	The PLANG CI shall provide the capability to review site resource requests, via GUIs, for the purpose of validation and to set or update the site resource request validation status field.		interface
SMC-0320#A					S-PLS-00340	A	NEW	The PLANG CI shall provide the capability to review site resource requests, via GUIs, and to set the status of the site resource request in one of the following states: 1) New 2) Validated 3) Approved 4) Rejected.		interface
SMC-0320#A					S-PLS-00345	A	NEW	The PLANG CI shall provide the capability to generate a planned site resource report.		functional
SMC-0320#A					S-PLS-00350	A	NEW	The PLANG CI shall provide the capability to generate site resource request reports.		functional

SMC-0320#B	5143	The SMC shall be capable of scheduling ground activities to a minimum of one minute resolution.	functional	~~B: Full compliance.~~ Resource Planning at DAACs and SMC; B: Shared allocation, Planned vs. Actual Reports	~~S-PLS-01200~~	A	4288	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry of product requests for standard products, b. Query / update / cancellation of production requests for standard products, c. Query status of production requests, d. Query / update of production rules and PGE information, e. Entry of plan creation requests, f. Entry of plan activation requests, g. Entry of plan cancellation requests, h. Query candidate / active plans and corresponding status, i. Entry of requests for processing log reports / production and data processing request status reports / resource utilization reports / planning workload status reports / management reports, j~~. Entry of ground events,~~ k~~. Query / update of ground events.~~		
SMC-0320#B					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional

SMC-0320#B					S-PLS-00306	B	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the shared allocation of planned site resources to default activities and ground events.	Shared allocation means a resource may be allocated to more than one event.	interface
SMC-0320#B					S-PLS-00307	A	NEW	The PLANG CI shall, when a ground event is scheduled, identify and display (via GUI) conflicts with previously scheduled ground events.		interface
SMC-0320#B					S-PLS-00312	A	NEW	The PLANG CI shall provide the capability to receive MSS site configuration management information for resource planning.		interface
SMC-0320#B					C-MSS-60235	A	NEW	The MSS Fault Management application service shall provide configuration management information to the PLANG CI for resource planning.		interface
SMC-0320#B					S-PLS-00315	A	NEW	The PLANG CI shall provide the capability to maintain a list of planned site resources via GUIs with the specific capabilities to add, update, delete, and query on site resources.		interface
SMC-0320#B					S-PLS-00320	A	NEW	The PLANG CI shall provide the capability to associate a default activity to a planned site resource.		functional
SMC-0320#B					S-PLS-00325	A	NEW	The PLANG CI shall provide the capability to enter via GUIs site resource requests, to support ground events.		interface
SMC-0320#B					S-PLS-00330	A	NEW	The PLANG CI shall provide the capability to maintain site resource requests, via GUIs, with the specific capabilities to add, update, delete, and query on site resource requests.		interface

SMC-0320#B					S-PLS-00335	A	NEW	The PLANG CI shall provide the capability to review site resource requests, via GUIs, for the purpose of validation and to set or update the site resource request validation status field.		interface
SMC-0320#B					S-PLS-00340	A	NEW	The PLANG CI shall provide the capability to review site resource requests, via GUIs, and to set the status of the site resource request in one of the following states: 1) New 2) Validated 3) Approved 4) Rejected.		interface
SMC-0320#B					S-PLS-00345	A	NEW	The PLANG CI shall provide the capability to generate a planned site resource report.		functional
SMC-0320#B					S-PLS-00350	A	NEW	The PLANG CI shall provide the capability to generate site resource request reports.		functional
SMC-0320#B					S-PLS-00355	B	NEW	The PLANG CI shall provide the capability to generate reports providing a comparison of planned vs. actual resource usage.		functional
SMC-0330#B	5145	The SMC shall be capable of executing events to a minimum of one minute resolution.	functional	~~B: Full compliance~~	S-PLS-00375	B	NEW	The PLANG CI shall provide the capability to initiate a site ground event script associated with a resource request in the resource plan at the planned for time.		functional

SMC-1300#A	4215	The SMC shall support and maintain the ECS policies and procedures regarding instrument and ground event scheduling, including, at a minimum: a. Mission and science guidelines b. Directives for scheduling instrument data ingest, processing, reprocessing, retrieval, and data distribution	functional	A: Full capability. Performed manually, except to the extent the staff opts to automate by using office automation tools and e-mail. ~~THE SMC SHOULD BE ABLE TO ACCEPT EDOS PDS DELIVERY RECORDS~~	C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1300#A					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1300#A					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1300#A					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		

SMC-1300#B	5153	The SMC shall support and maintain the ECS policies and procedures regarding instrument and ground event scheduling, including, at a minimum: a. Mission and science guidelines b. Directives for scheduling instrument data ingest, processing, reprocessing, retrieval, and data distribution	functional	~~B: THE SMC SHOULD BE ABLE TO ACCEPT ADS DELIVERY RECORDS. THE SMC INTERFACE TO MAKE LONG TERM SCIENCE PLANS AND LONG TERM INSTRUMENT PLANS AVAILABLE TO THE ASTER ICC~~	C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1300#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1300#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		

SMC-1300#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1300#B					~~C-MSS-50235~~	B	7767	The MSS Maintenance Management Service shall have the capability to schedule maintenance events via the MSS Planning and Scheduling Service.		
SMC-1300#B					~~C-MSS-51120~~	B	9503	The MSS Training Management Service shall have the capability to schedule training events.		
SMC-1305#B	5154	The LSM shall provide SMC access to scheduling information from each element.	functional	B: Manual or semi-automated	~~C-MSS-50235~~	B	7767	The MSS Maintenance Management Service shall have the capability to schedule maintenance events via the MSS Planning and Scheduling Service.		
SMC-1305#B					~~C-MSS-51120~~	B	9503	The MSS Training Management Service shall have the capability to schedule training events.		
SMC-1305#B					S-PLS-00360	B	NEW	The PLANG CI shall be able to provide site resource plans to PLANG CI's at other sites		interface
SMC-1305#B					S-PLS-00365	B	NEW	The PLANG CI shall be able to import saved site resource plans.		interface
SMC-1305#B					S-PLS-00370	B	NEW	The PLANG CI shall be able to save site resource plans to a file.		functional

SMC-1310#A	4218	The SMC shall support and maintain the allocation of ground event functions and capabilities to each site and element.	functional	Manually performed with support from office automation tools.	~~S-PLS-01200~~	A	4288	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry of product requests for standard products, b. Query / update / cancellation of production requests for standard products, c. Query status of production requests, d. Query / update of production rules and PGE information, e. Entry of plan creation requests, f. Entry of plan activation requests, g. Entry of plan cancellation requests, h. Query candidate / active plans and corresponding status, i. Entry of requests for processing log reports / production and data processing request status reports / resource utilization reports / planning workload status reports / management reports, ~~j. Entry of ground events,~~ ~~k. Query / update of ground events.~~		
SMC-1310#A					~~S-PLS-00300~~	A	4927	~~The PLANG CI shall accept ground events to describe the allocation of data processing resources to non-production tasks.~~		

SMC-1310#A					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1310#A					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1310#A					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1310#A					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		

SMC-1310#B	5155	The SMC shall support and maintain the allocation of ground event functions and capabilities to each site and element.	functional	Manually performed with support from office automation tools.	~~S-PLS-01200~~	A	4288	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry of product requests for standard products, b. Query / update / cancellation of production requests for standard products, c. Query status of production requests, d. Query / update of production rules and PGE information, e. Entry of plan creation requests, f. Entry of plan activation requests, g. Entry of plan cancellation requests, h. Query candidate / active plans and corresponding status, i. Entry of requests for processing log reports / production and data processing request status reports / resource utilization reports / planning workload status reports / management reports, ~~j. Entry of ground events,~~ ~~k. Query / update of ground events.~~		
SMC-1310#B					~~S-PLS-00300~~	A	4927	~~The PLANG CI shall accept ground events to describe the allocation of data processing resources to non-production tasks.~~		
SMC-1310#B					~~C-MSS-50235~~	B	7767	The MSS Maintenance Management Service shall have the capability to schedule maintenance events via the MSS Planning and Scheduling Service.		
SMC-1310#B					~~C-MSS-51120~~	B	9503	The MSS Training Management Service shall have the capability to schedule training events.		

SMC-1310#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1310#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1310#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1310#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		

SMC-1315#B	5156	The LSM shall provide each elements scheduling function with access to the system-wide scheduling information, including, at a minimum: a. ECS policies and procedures regarding instrument and ground event scheduling b. Other elements plans and schedules c. Element allocations of ground event functions and capabilities d. Product generation information e. Scheduling directives for testing, maintenance, and emergency situations	functional	~~B: Full capability~~ Manually performed with support from office automation tools.	~~C-MSS-75165~~	B	7865	The Accountability Service shall have the capability to receive TDRSS schedule requests from the DSS.		
SMC-1315#B					S-PLS-00360	B	NEW	The PLANG CI shall be able to provide site resource plans to PLANG CI's at other sites		interface
SMC-1315#B					S-PLS-00365	B	NEW	The PLANG CI shall be able to import saved site resource plans.		interface
SMC-1315#B					S-PLS-00370	B	NEW	The PLANG CI shall be able to save site resource plans to a file.		functional
SMC-1315#B					S-PLS-02050	B	9077	The PLANG CI shall be able to provide plans to PLANG CIs at other sites.		functional

SMC-1315#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1315#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1315#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1315#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1320#A	4219	The SMC shall support and maintain priorities used in scheduling ground events.	functional	SMC handling of ground events is viewed as manually supported by office automation tools. Priorities supported for resource planning at sites.	~~S-PLS-00310~~	A	4928	~~The PLANG CI specification of ground events shall include priorities, dependencies, and estimated duration.~~		

SMC-1320#A					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1320#A					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1320#A					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1320#A					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1320#A					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-1320#A					S-PLS-00325	A	NEW	The PLANG CI shall provide the capability to enter via GUIs site resource requests, to support ground events.		interface

SMC-1320#A					S-PLS-00330	A	NEW	The PLANG CI shall provide the capability to maintain site resource requests, via GUIs, with the specific capabilities to add, update, delete, and query on site resource requests.		interface
SMC-1320#B	5158	The SMC shall support and maintain priorities used in scheduling ground events.	functional	SMC handling of ground events is viewed as manually supported by office automation tools. Priorities supported for resource planning at sites.	S-PLS-00310	A	4928	The PLANG CI specification of ground events shall include priorities, dependencies, and estimated duration.		
SMC-1320#B					C-MSS-50235	B	7767	The MSS Maintenance Management Service shall have the capability to schedule maintenance events via the MSS Planning and Scheduling Service.		
SMC-1320#B					C-MSS-51120	B	9503	The MSS Training Management Service shall have the capability to schedule training events.		
SMC-1320#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		

SMC-1320#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1320#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1320#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1320#B					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-1320#B					S-PLS-00306	B	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the shared allocation of planned site resources to default activities and ground events.	Shared allocation means a resource may be allocated to more than one event.	interface
SMC-1320#B					S-PLS-00325	A	NEW	The PLANG CI shall provide the capability to enter via GUIs site resource requests, to support ground events.		interface
SMC-1320#B					S-PLS-00330	A	NEW	The PLANG CI shall provide the capability to maintain site resource requests, via GUIs, with the specific capabilities to add, update, delete, and query on site resource requests.		interface

SMC-1325#B	5159	The LSM shall provide the operations and management staff at a site or element the capability to communicate scheduling information to and receive scheduling information from the SMC, including, at a minimum: a. Routine scheduling information b. Request scheduling information c. Schedule conflict alert information d. Emergency scheduling information.	functional	~~B: Full capability~~ Viewed as information sharing	~~S-PLS-02080~~	~~B~~	~~9080~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send routine scheduling information to other sites.~~		
SMC-1325#B					~~S-PLS-02090~~	~~B~~	~~9081~~	~~The PLANG CI shall able to receive routine scheduling information from other sites.~~		
SMC-1325#B					~~S-PLS-02100~~	~~B~~	~~9082~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send scheduling request information to other sites.~~		
SMC-1325#B					~~S-PLS-02110~~	~~B~~	~~9083~~	~~The PLANG CI shall able to receive scheduling request information from other sites.~~		
SMC-1325#B					~~S-PLS-02120~~	~~B~~	~~9084~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send schedule conflict alert information to other sites.~~		
SMC-1325#B					~~S-PLS-02130~~	~~B~~	~~9085~~	~~The PLANG CI shall able to receive schedule conflict alert information from other sites.~~		
SMC-1325#B					~~S-PLS-02140~~	~~B~~	~~9086~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send emergency scheduling information to other sites.~~		
SMC-1325#B					~~S-PLS-02150~~	~~B~~	~~9087~~	~~The PLANG CI shall able to receive emergency scheduling information from other sites.~~		
SMC-1325#B					~~S-PLS-02160~~	~~B~~	~~9088~~	~~The PLANG CI shall be able to send routine scheduling information to other sites~~		

SMC-1325#B					~~S-PLS-02170~~	~~B~~	~~9089~~	~~The PLANG CI shall be able to send scheduling request information to other sites~~		
SMC-1325#B					~~S-PLS-02180~~	~~B~~	~~9090~~	~~The PLANG CI shall be able to send schedule conflict alert information to other sites~~		
SMC-1325#B					~~S-PLS-02190~~	~~B~~	~~9091~~	~~The PLANG CI shall be able to send emergency scheduling information to other sites~~		
SMC-1325#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1325#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1325#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1325#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		

SMC-1330#A	4224	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum: a. Product information b. Product generation information c. Product delivery information	functional	MSS collection and handling of product specific tracking data. MSS maintains log files.	~~C-CSS-20000~~	A	562	The CSS Directory service shall provide the basic functionality to save and retrieve information into the local namespace: a. Create/Delete/Get context (key) b. List context. c. Set/Get attributes. d. Create/Delete attributes. e. List attributes. f. Set/Get attribute information.		
SMC-1330#A					C-MSS-76000	A	354	The MSS accountability management service shall be capable of retrieving user activity data (user id, type of user activity, data items used (browsed, searched, or ordered), and date/time of activity) from records generated by the SDPS Data Server, Data Processing, and Client subsystems.		
SMC-1330#A					C-MSS-76010	A	356	The MSS accountability management service shall be capable of querying via the Management Data Access service user activity data stored in the Management Database.		
SMC-1330#A					C-MSS-76020	A	357	The MSS accountability management service shall be capable of retrieving all activities associated with a particular user or data item via the Management Data Access service.		
SMC-1330#A					C-MSS-77000	A	358	The MSS accountability management service shall be capable of retrieving data processing information (instrument used and date/time of ingest or algorithm used (name and version) and date/time or processing) from records generated by the SDPS Data Processing subystem.		

SMC-1330#A					C-MSS-77010	A	360	The MSS accountability management service shall be capable of querying via the Management Data Access service all data processing information stored in the Management database.		
SMC-1330#A					C-MSS-77030	A	361	The MSS accountability management service shall be capable of retrieving all data processing information logged for a specified data item.		
SMC-1330#A					S-IOS-00510	A	9219	The ADSRV CI shall collect Accountability Management Data about its own operations and provide it to the MSS.		
SMC-1330#A					S-PLS-01410	A	4302	The PLANG CI shall report PLANG error/fault events ~~forward faults detected in the Planning system~~ to MSS.		
SMC-1330#A					S-PLS-01470	A	4308	The PLANG CI shall report PLANG ~~collect~~ Accountability events ~~Management Data and provide~~ it to the MSS.		
SMC-1330#A					S-PLS-01430	A	4304	The PLANG CI shall report PLANG performance events to the MSS ~~send to MSS product scheduling, processing status and data quality information~~.		
SMC-1330#A					S-PLS-01500	A	4311	The PLANG CI shall ~~collect~~ report S~~s~~cheduling events ~~Management Data and provide it~~ to the MSS.		

SMC-1330#B	5160	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum: a. Product information b. Product generation information c. Product delivery information	functional	~~B: Full capability - semi-automated/automated. ACCEPT EDOS ARCHIVAL DATA SET (ADS) DELIVERY RECORDS~~ MSS collection and handling of product speciific tracking data. MSS maintains log files	~~C-CSS-20000~~	A	562	The CSS Directory service shall provide the basic functionality to save and retrieve information into the local namespace: a. Create/Delete/Get context (key) b. List context. c. Set/Get attributes. d. Create/Delete attributes. e. List attributes. f. Set/Get attribute information.		
SMC-1330#B					~~C-CSS-10820~~	B	7343	The CSS DCCI shall accept mode request from MSS.		
SMC-1330#B					~~C-CSS-10840~~	B	7345	The CSS DCCI shall have the capability to send processing status to MSS.		
SMC-1330#B					~~C-CSS-10850~~	B	7346	The CSS DCCI shall have the capability to send current mode to MSS.		
SMC-1330#B					~~C-MSS-36490~~	B	7681	The Management Agent Service shall have the capability to send resource availability information to the DPS.		
SMC-1330#B					C-MSS-76000	A	354	The MSS accountability management service shall be capable of retrieving user activity data (user id, type of user activity, data items used (browsed, searched, or ordered), and date/time of activity) from records generated by the SDPS Data Server, Data Processing, and Client subsystems.		

SMC-1330#B					C-MSS-76010	A	356	The MSS accountability management service shall be capable of querying via the Management Data Access service user activity data stored in the Management Database.		
SMC-1330#B					C-MSS-76020	A	357	The MSS accountability management service shall be capable of retrieving all activities associated with a particular user or data item via the Management Data Access service.		
SMC-1330#B					C-MSS-77000	A	358	The MSS accountability management service shall be capable of retrieving data processing information (instrument used and date/time of ingest or algorithm used (name and version) and date/time or processing) from records generated by the SDPS Data Processing subystem.		
SMC-1330#B					C-MSS-77010	A	360	The MSS accountability management service shall be capable of querying via the Management Data Access service all data processing information stored in the Management database.		
SMC-1330#B					C-MSS-77030	A	361	The MSS accountability management service shall be capable of retrieving all data processing information logged for a specified data item.		
SMC-1330#B					S-IOS-00510	A	9219	The ADSRV CI shall collect Accountability Management Data about its own operations and provide it to the MSS.		
SMC-1330#B					S-PLS-01410	A	4302	The PLANG CI shall report PLANG error/fault events ~~forward faults detected in the Planning system~~ to MSS.		
SMC-1330#B					S-PLS-01470	A	4308	The PLANG CI shall report PLANG ~~collect~~ Accountability events ~~Management Data and provide it~~ to the MSS.		

SMC-1330#B					S-PLS-01430	A	4304	The PLANG CI shall report PLANG performance events to the MSS ~~send to MSS product scheduling, processing status and data quality information~~.		
SMC-1330#B					S-PLS-01500	A	4311	The PLANG CI shall ~~collect~~ report S~~s~~cheduling events ~~Management Data and provide it~~ to the MSS.		
SMC-1335#B	5161	The LSM shall have the capability to automatically extract, process, and send to the SMC, pertinent scheduling information.	functional	B: Fully automated	S-PLS-02200	B	9098	The PLANG CI shall have the capability to ~~automatically~~ extract ~~pertinent scheduling information based on operator supplied criteria~~ temporal subsets from a production or resource plan and save them to a file.		
SMC-1335#B					S-PLS-02210	B	NEW	The PLANG CI shall have the capability to extract subsets of a production plan based on user selected Production Requests and save them to a file.		functional
SMC-1335#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1335#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		

SMC-1335#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1335#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1340#A	4226	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element integration, testing, and simulation activities.	functional	~~A:~~ Manual exchange of schedules	C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1340#A					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1340#A					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1340#A					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		

SMC-1340#B	5162	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element integration, testing, and simulation activities.	functional	Manual exchange of schedules	C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1340#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1340#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1340#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1345#A	4229	The LSM shall perform priority management services to resolve conflicts for ECS resources.	functional		~~S-PLS-00710~~	A	4262	The PLANG CI shall create a Candidate Plan based on the following: 1. Outstanding production requests, their priorities and estimated runtimes, 2. Ground events, their priority and estimated duration, 3. Planning production rules, 4. Mutual PGE accessibility of shared data, 5. Completion notification status messages from Data Processing.	PLANG capabilities are listed because they are incorporated in Standard Processing.	
SMC-1345#A					~~S-PLS-00310~~	A	4928	~~The PLANG CI specification of ground events shall include priorities, dependencies, and estimated duration.~~		

SMC-1345#A					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-1345#A					S-PLS-00325	A	NEW	The PLANG CI shall provide the capability to enter via GUIs site resource requests, to support ground events.		interface
SMC-1345#B	5163	The LSM shall perform priority management services to resolve conflicts for ECS resources.	functional	B: Fully automated	~~S-PLS-00710~~	A	4262	The PLANG CI shall create a Candidate Plan based on the following: 1. Outstanding production requests, their priorities and estimated runtimes, 2. Ground events, their priority and estimated duration, 3. Planning production rules, 4. Mutual PGE accessibility of shared data, 5. Completion notification status messages from Data Processing.	PLANG capabilities are listed because they are incorporated in Standard Processing.	
SMC-1345#B					~~S-PLS-00310~~	~~A~~	~~4928~~	~~The PLANG CI specification of ground events shall include priorities, dependencies, and estimated duration.~~		
SMC-1345#B					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional

SMC-1345#B					S-PLS-00306	B	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the shared allocation of planned site resources to default activities and ground events.	Shared allocation means a resource may be allocated to more than one event.	interface
SMC-1345#B					S-PLS-00325	A	NEW	The PLANG CI shall provide the capability to enter via GUIs site resource requests, to support ground events.		interface
SMC-1350#B	5164	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element maintenance activities.	functional	~~B: Performed by site staff using word processor or e-mail capability~~ This is viewed as manually supported by office automation tools, e-mail, etc.	~~C-MSS-50235~~	B	7767	The MSS Maintenance Management Service shall have the capability to schedule maintenance events via the MSS Planning and Scheduling Service.		
SMC-1350#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		

SMC-1350#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1350#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1350#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1360#A	4231	The SMC shall generate ground resource scheduling directives, or recommendations for FOS elements, in response to emergency situations.	functional	This is viewed as procedural supported by office automation tools, e-mail, etc.	C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1360#A					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1360#A					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1360#A					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		

SMC-1360#B	5165	The SMC shall generate ground resource scheduling directives, or recommendations for FOS elements, in response to emergency situations.	functional	~~B: Full capability (automated)~~ This is viewed as manually supported by office automation tools, e-mail, etc.	C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-1360#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1360#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1360#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		

SMC-1500#B	4656	The SMC shall perform schedule conflict analysis and resolution services in response to a schedule conflict involving sites, ECS elements, or external elements, agencies, or organizations, except for conflicts associated with flight operations.	functional	~~B: Full capability~~ SMC uses plans generated and published by the sites to identify, resolve conflicts	S-PLS-02010	B	9073	The PLANG CI shall be able to identify scheduling conflicts in site production plans.		
SMC-1500#B					S-PLS-02030	B	9075	The PLANG CI shall identify conflicts in site production plans caused by cross-DAAC data dependencies.		
SMC-1500#B					S-PLS-02040	B	9076	The PLANG CI shall be able to display (via GUI) cross-DAAC data dependencies in production plans.		
SMC-1500#B					S-PLS-00715	B	NEW	The PLANG CI shall be able to provide a high-level, aggregate view of production plans.		functional
SMC-1500#B					S-PLS-00307	A	NEW	The PLANG CI shall, when a ground event is scheduled, identify and display (via GUI) conflicts with previously scheduled ground events.		functional
SMC-1500#B					S-PLS-00322	B	NEW	The PLANG CI shall be capable of setting up dependencies between services and hardware resources.		functional
SMC-1600#B	4657	The SMC shall receive product generation schedules from the DAACs and analyze the schedules for cross-DAAC dependencies (e.g., inputs that must be generated and provided by one DAAC before a product can be generated at another DAAC).	functional	~~B: Full capability~~ SMC views plans of sites, manually assess schedule conflicts. Schedule management is federated across the DAACs & SMC.	S-PLS-02030	B	9075	The PLANG CI shall identify conflicts in site production plans caused by cross-DAAC data dependencies.		

SMC-1600#B					S-PLS-02040	B	9076	The PLANG CI shall be able to display (via GUI) cross-DAAC data dependencies in production plans.		
SMC-1600#B					S-PLS-02050	B	9077	The PLANG CI shall be able to provide site production plans to PLANG CIs at other sites.		
SMC-1600#B					S-PLS-02070	B	9079	The PLANG CI shall be able to concurrently display information from ~~integrate coordinate~~ multiple DAAC site production plans ~~to produce a coordinated plan~~.		
SMC-1610#B	4659	The SMC shall recommend adjustments in the product generation schedules to ensure that product generation functions and the DAAC-to-DAAC data transfers required, are accomplished in accordance with overall mission requirements (e.g., without the development of a product generation backlog at any DAAC).	~~Functional~~ Procedural	~~B: Full capability~~ Recommendations from SMC are handled manually, transferred via email. Schedule management is federated across the DAACs & SMC.	~~S-PLS-02060~~	B	9078	The PLANG CI shall be able to account for cross-DAAC data dependencies in the site production plans it generates.		
SMC-1620#B	4660	The SMC shall transmit the recommended schedules back to the DAACs for consideration, iterate with the DAACs as required, and develop a coordinated schedule for implementation.	~~Functional~~ Procedural	~~B: Full capability via e-mail~~ Recommendations from SMC are handled manually, transferred via email. Schedule management is federated across the DAACs & SMC.	~~S-PLS-02050~~	B	9077	The PLANG CI shall be able to provide site production plans to PLANG CIs at other sites.		

SMC-1620#B					~~S-PLS-02070~~	B	9079	The PLANG CI shall be able to <u>concurrently display information from</u> ~~integrate coordinate~~ multiple DAAC <u>site production</u> plans ~~to produce a coordinated plan~~.		
SMC-1630#B	4661	The SMC shall confirm that the coordinated schedule is implemented and monitor product generation and data transfers for compliance with the coordinated schedule.	functional	B: Full capability	~~S-PLS-01200~~	A	4288	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry of product requests for standard products, b. Query / update / cancellation of production requests for standard products, c. Query status of production requests, d. Query / update of production rules and PGE information, e. Entry of plan creation requests, f. Entry of plan activation requests, g. Entry of plan cancellation requests, h. Query candidate / active plans and corresponding status, i. Entry of requests for processing log reports / production and data processing request status reports / resource utilization reports / planning workload status reports / management reports, ~~j. Entry of ground events,~~ ~~k. Query / update of ground events.~~		

SMC-1630#B					C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data		
SMC-1630#B					C-CSS-61020	A	450	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.		
SMC-1630#B					C-CSS-60620	A	494	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.		
SMC-1630#B					C-CSS-62060	A	509	The CSS Bulletin Board Service Shall provide the capability for copying files.		
SMC-3310#B	4910	The SMC shall monitor each elements schedule and execution of events.	functional	~~B: Full capability~~ SMC monitors element schedules/ execution via sharing of reports, etc., facilitated through MSS	C-MSS-92080	B	7999	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Detail Report itemizing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional

SMC-3310#B					C-MSS-92090	B	8000	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data.		functional
SMC-3310#B					C-MSS-92100	B	8001	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Detail Report containing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional
SMC-3310#B					C-MSS-92110	B	8002	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data		functional
SMC-3310#B					C-MSS-92120	B	8003	The MSS Report Generation Service shall be capable of generating a Ground Operations Activity Performance Detail Report containing scheduled vs actual times for ground events such as maintenance, training, reconfiguration. The report shall detail: a. reason for schedule variance b. user feedback		functional

SMC-3310#B					C-MSS-92130	B	8004	The MSS Report Generation Service shall be capable of generating a Ground Operations Event Performance Summary Report containing statistical rollups of scheduled vs actual deviations for ground events such as maintenance, testing, reconfiguration.		functional
SMC-3315#A	4289	The LSM shall monitor its elements schedule and execution of events.	functional	A: Performed by M&O staff using manual or semi-automated performance management tools. Also MSS monitors event logs.	~~C-MSS-66000~~	IR1	4788	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a. network components 1. routers 2. links 3. bridges 4. gateways		
SMC-3315#A					S-PLS-00840	A	4275	The PLANG CI shall send electronic copies of the Active Plan and corresponding metadata to the designated local Data Server for storage and distribution.		
SMC-3315#A					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-3315#A					S-PLS-01410	A	4302	The PLANG CI shall report PLANG error/fault events ~~forward faults detected in the Planning system~~ to MSS.		interface
SMC-3315#A					S-PLS-01430	A	4304	The PLANG CI shall report PLANG performance events to the MSS ~~send to MSS product scheduling, processing status and data quality information~~.		interface

SMC-3315#A					S-PLS-01500	A	4311	The PLANG CI shall ~~collect~~ report S~~s~~cheduling events ~~Management Data and provide it~~ to the MSS.		interface
SMC-3315#A					S-DPS-20120	A	4363	The PRONG CI shall ~~inform the MSS using a MSS provided~~ report PRONG error/ ~~F~~fault events ~~Management API when a fault attributed~~ to a MSS ~~managed resource has occurred~~.		interface
SMC-3315#A					S-DPS-20140	A	4365	The PRONG CI shall report ~~provide~~ PRONG ~~P~~performance events ~~Management data~~ to the MSS ~~using a MSS provided Performance Management API~~.		interface
SMC-3315#A					S-DPS-20230	A	4374	The PRONG CI shall ~~provide~~ report PRONG ~~S~~security events ~~Management data~~ to the MSS ~~using a MSS provided Security Management API~~.		interface
SMC-3315#B	4912	The LSM shall monitor its elements schedule and execution of events.	functional	~~B: Fully automated.~~	~~C-MSS-66001~~	B	7815	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a. network components 1. routers 2. links 3. bridges 4. gateways b. hosts c. operating systems d. peripherals e. data f. ECS applications.		
SMC-3315#B					~~C-MSS-92540~~	B	8045	The MSS Report Generation Service shall be capable of generating a Planning Management Report.		

SMC-3315#B					C-MSS-92080	B	7999	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Detail Report itemizing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional
SMC-3315#B					C-MSS-92090	B	8000	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data.		functional
SMC-3315#B					C-MSS-92100	B	8001	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Detail Report containing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional
SMC-3315#B					C-MSS-92110	B	8002	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data		functional

SMC-3315#B					C-MSS-92120	B	8003	The MSS Report Generation Service shall be capable of generating a Ground Operations Activity Performance Detail Report containing scheduled vs actual times for ground events such as maintenance, training, reconfiguration. The report shall detail: a. reason for schedule variance b. user feedback		functional
SMC-3315#B					C-MSS-92130	B	8004	The MSS Report Generation Service shall be capable of generating a Ground Operations Event Performance Summary Report containing statistical rollups of scheduled vs actual deviations for ground events such as maintenance, testing, reconfiguration.		functional
SMC-3315#B					S-PLS-00840	A	4275	The PLANG CI shall send electronic copies of the Active Plan and corresponding metadata to the designated local Data Server for storage and distribution.		
SMC-3315#B					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-3315#B					S-PLS-01410	A	4302	The PLANG CI shall report PLANG error/fault events ~~forward faults detected in the Planning system~~ to MSS.		interface
SMC-3315#B					S-PLS-01430	A	4304	The PLANG CI shall report PLANG performance events to the MSS ~~send to MSS product scheduling, processing status and data quality information~~.		interface

SMC-3315#B					S-PLS-01500	A	4311	The PLANG CI shall ~~collect~~ report S~~s~~cheduling events ~~Management Data and provide it~~ to the MSS.		interface
SMC-3315#B					S-DPS-20120	A	4363	The PRONG CI shall ~~inform the MSS using a MSS provided~~ report PRONG error/ ~~F~~fault events ~~Management API when a fault attributed~~ to a MSS ~~managed resource has occurred~~.		interface
SMC-3315#B					S-DPS-20140	A	4365	The PRONG CI shall report ~~provide~~ PRONG ~~P~~performance events ~~Management data~~ to the MSS ~~using a MSS provided Performance Management API~~.		interface
SMC-3315#B					S-DPS-20230	A	4374	The PRONG CI shall ~~provide~~ report PRONG ~~S~~security events ~~Management data~~ to the MSS ~~using a MSS provided Security Management API~~.		interface
SMC-3320#A	4291	The SMC shall monitor execution of ground operations events.	~~functional~~ procedural	~~A: Manual~~ SMC monitors via MSS site reports. System monitoring is federated across the DAACs & SMC.	~~C-MSS-66000~~	IR1	4788	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a. network components 1. routers 2. links 3. bridges 4. gateways		

SMC-3320#B	4914	The SMC shall monitor execution of ground operations events.	~~functional~~ procedural	B: Full capability Site MSS monitors only those scripts that are executed as a part of the ground event (Ref. SMC-0330#B). Note start/stop time. MSS monitors (Ref. SMC-3325#B) and reports with SMC. SMC has capability to perform this role for its site. System monitoring is federated across the DAACs & SMC.	~~C-MSS-66001~~	B	7815	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a. network components 1. routers 2. links 3. bridges 4. gateways b. hosts c. operating systems d. peripherals e. data f. ECS applications.		
SMC-3325#B	4916	The LSM shall monitor execution of ground operations events.	functional	B: Fully automated.	S-PLS-00385	B	NEW	The PLANG CI shall log the end time of ground events it executes.		functional
SMC-3325#B					S-PLS-00380	B	NEW	The PLANG CI shall log the start time of ground events it executes.		functional

SMC-3330#A	4295	The SMC shall compare and evaluate system-wide, site, and element actual schedule performance against planned schedule performance.	functional	A: Performed by M&O staff using ~~available performance management tools~~ flow up of available information from site MSS. System monitoring is federated across the DAACs & SMC.						
SMC-3330#B	4919	The SMC shall compare and evaluate system-wide, site, and element actual schedule performance against planned schedule performance.	functional	~~B: Full capability~~ System monitoring is federated across the DAACs & SMC.	C-MSS-92080	B	7999	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Detail Report itemizing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional
SMC-3330#B					C-MSS-92090	B	8000	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data.		functional

SMC-3330#B					C-MSS-92100	B	8001	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Detail Report containing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional
SMC-3330#B					C-MSS-92110	B	8002	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data		functional
SMC-3330#B					C-MSS-92120	B	8003	The MSS Report Generation Service shall be capable of generating a Ground Operations Activity Performance Detail Report containing scheduled vs actual times for ground events such as maintenance, training, reconfiguration. The report shall detail: a. reason for schedule variance b. user feedback		functional
SMC-3330#B					C-MSS-92130	B	8004	The MSS Report Generation Service shall be capable of generating a Ground Operations Event Performance Summary Report containing statistical rollups of scheduled vs actual deviations for ground events such as maintenance, testing, reconfiguration.		functional

SMC-3335#A	4297	The LSM shall compare and evaluate its elements actual schedule performance against planned schedule performance.	functional	A: Performed by M&O staff using performance management and scheduling tools	S-PLS-00840	A	4275	The PLANG CI shall send electronic copies of the Active Plan and corresponding metadata to the designated local Data Server for storage and distribution.		
SMC-3335#A					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-3335#A					S-PLS-01410	A	4302	The PLANG CI shall report PLANG error/fault events ~~forward faults detected in the Planning system~~ to MSS.		interface
SMC-3335#A					S-PLS-01430	A	4304	The PLANG CI shall report PLANG performance events to the MSS ~~send to MSS product scheduling, processing status and data quality information~~.		interface
SMC-3335#A					S-PLS-01500	A	4311	The PLANG CI shall ~~collect~~ report S~~s~~cheduling events ~~Management Data and provide it~~ to the MSS.		interface
SMC-3335#A					S-DPS-20120	A	4363	The PRONG CI shall ~~inform the MSS using a MSS provided~~ report PRONG error/ ~~F~~fault events ~~Management API when a fault attributed~~ to a MSS ~~managed resource has occurred~~.		interface
SMC-3335#A					S-DPS-20140	A	4365	The PRONG CI shall report ~~provide~~ PRONG ~~P~~performance events ~~Management data~~ to the MSS ~~using a MSS provided Performance Management API~~.		interface

SMC-3335#A					S-DPS-20230	A	4374	The PRONG CI shall ~~provide~~ report PRONG ~~S~~security events ~~Management data~~ to the MSS ~~using a MSS provided Security Management API~~.		interface
SMC-3335#B	4921	The LSM shall compare and evaluate its elements actual schedule performance against planned schedule performance.	functional	B: Full capability (through use of various performance management and scheduling tools)	C-MSS-92080	B	7999	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Detail Report itemizing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional
SMC-3335#B					C-MSS-92090	B	8000	The MSS Report Generation Service shall be capable of generating a Routine Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data.		functional
SMC-3335#B					C-MSS-92100	B	8001	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Detail Report containing scheduled vs actual times for data collection, processing, retrieval and delivery along with: a. reason for schedule variance b. data quality c. user feedback		functional
SMC-3335#B					C-MSS-92110	B	8002	The MSS Report Generation Service shall be capable of generating a User Requested Data Production Performance Summary Report containing statistical rollups of scheduled vs actual deviations, data quality, and user feedback for data collection, processing, retrieval, and delivery of routine production data		functional

SMC-3335#B					C-MSS-92120	B	8003	The MSS Report Generation Service shall be capable of generating a Ground Operations Activity Performance Detail Report containing scheduled vs actual times for ground events such as maintenance, training, reconfiguration. The report shall detail: a. reason for schedule variance b. user feedback		functional
SMC-3335#B					C-MSS-92130	B	8004	The MSS Report Generation Service shall be capable of generating a Ground Operations Event Performance Summary Report containing statistical rollups of scheduled vs actual deviations for ground events such as maintenance, testing, reconfiguration.		functional
SMC-3335#B					S-PLS-00840	A	4275	The PLANG CI shall send electronic copies of the Active Plan and corresponding metadata to the designated local Data Server for storage and distribution.		
SMC-3335#B					S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SMC-3335#B					S-PLS-01410	A	4302	The PLANG CI shall report PLANG error/fault events ~~forward faults detected in the Planning system~~ to MSS.		interface
SMC-3335#B					S-PLS-01430	A	4304	The PLANG CI shall report PLANG performance events to the MSS ~~send to MSS product scheduling, processing status and data quality information~~.		interface

SMC-3335#B					S-PLS-01500	A	4311	The PLANG CI shall ~~collect~~ report S~~s~~cheduling events ~~Management Data and provide it~~ to the MSS.		interface
SMC-3335#B					S-DPS-20120	A	4363	The PRONG CI shall ~~inform the MSS using a MSS provided~~ report PRONG error/ ~~F~~fault events ~~Management API when a fault attributed~~ to a MSS ~~managed resource has occurred~~.		interface
SMC-3335#B					S-DPS-20140	A	4365	The PRONG CI shall report ~~provide~~ PRONG ~~P~~performance events ~~Management data~~ to the MSS ~~using a MSS provided Performance Management API~~.		interface
SMC-3335#B					S-DPS-20230	A	4374	The PRONG CI shall ~~provide~~ report PRONG ~~S~~security events ~~Management data~~ to the MSS ~~using a MSS provided Security Management API~~.		interface
SDPS0016#B	5061	The SDPS shall coordinate and resolve schedule conflicts between IMS, DADS and PGS.	functional	Planning confirms as a part of production scheduling that Ingest and Data Server are available.	S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.		functional
SDPS0016#B					S-PLS-00710	A	4262	The PLANG CI shall create a Candidate Plan based on the following: 1. Outstanding production requests, their priorities and estimated runtimes, 2. Ground events, their priority and estimated duration, 3. Planning production rules, 4. Mutual PGE accessibility of shared data, 5. Completion notification status messages from Data Processing.		

DADS2120#A	4447	The DADS shall have access to the system wide scheduling information. Such information includes, at a minimum, ESDIS Policies and Procedures regarding instrument and ground event scheduling, other element plans and schedules, element allocations of ground event functions and capabilities, product thread information, and scheduling directives for testing, maintenance, and emergency situations.	functional	A: Manual	S-PLS-00760	A	4266	The PLANG CI shall send electronic copies of the Candidate Plans and corresponding metadata to the designated local Data Server for storage and distribution.		~~functional~~ interface
DADS2120#A					S-PLS-00840	A	4275	The PLANG CI shall send electronic copies of the Active Plan and corresponding metadata to the designated local Data Server for storage and distribution.		interface
DADS2120#B	3596	The DADS shall have access to the system wide scheduling information. Such information includes, at a minimum, ESDIS Policies and Procedures regarding instrument and ground event scheduling, other element plans and schedules, element allocations of ground event functions and capabilities, product thread information, and scheduling directives for testing, maintenance, and emergency situations.	functional	B: Automated	S-PLS-00760	A	4266	The PLANG CI shall send electronic copies of the Candidate Plans and corresponding metadata to the designated local Data Server for storage and distribution.		~~functional~~ interface
DADS2120#B					S-PLS-00840	A	4275	The PLANG CI shall send electronic copies of the Active Plan and corresponding metadata to the designated local Data Server for storage and distribution.		interface

ABLE 2: Table 2 shows the LEVEL_4 requirements that are modified in RTM MAIN by this CCR.

4 ID	Rel	RTM key	Rqmt Text	Rqt Status	Verifc Method	Clarific	Req Type
-PLS-00760	A	4266	The PLANG CI shall send electronic copies of the Candidate Plans and corresponding metadata to the designated local Data Server for storage and distribution.	approved	demo		~~functional~~ interface
-PLS-01200	A	4288	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry of product requests for standard products, b. Query / update / cancellation of production requests for standard products,c. Query status of production requests,d. Query / update of production rules and PGE information,e. Entry of plan creation requests,f. Entry of plan activation requests,g. Entry of plan cancellation requests,h. Query candidate / active plans and corresponding status,i. Entry of requests for processing log reports / production and data processing request status reports / resource utilization reports / planning workload status reports / management reports,j~~. Entry of ground events,k. Query / update of ground events.~~	approved	demo		functional
-PLS-01410	A	4302	The PLANG CI shall report PLANG error/fault events ~~forward faults detected in the Planning system~~ to MSS.	approved	demo		interface
-PLS-01430	A	4304	The PLANG CI shall report PLANG performance events to the MSS ~~send to MSS product scheduling, processing status and data quality information~~.	approved	demo		interface
-PLS-01470	A	4308	The PLANG CI shall report PLANG ~~collect~~ Accountability events ~~Management Data and provide it~~ to the MSS.	approved	demo		interface
-PLS-01500	A	4311	The PLANG CI shall ~~collect~~ report ~~S~~scheduling events ~~Management Data and provide it~~ to the MSS.	approved	demo		interface
-DPS-20120	A	4363	The PRONG CI shall ~~inform the MSS using a MSS provided~~ report PRONG error/ ~~F~~fault events ~~Management API when a fault attributed~~ to ~~a~~ MSS ~~managed resource has occurred~~.	approved	demo		interface
-DPS-20140	A	4365	The PRONG CI shall report ~~provide~~ PRONG ~~P~~performance events ~~Management data~~ to the MSS ~~using a MSS provided Performance Management API~~.	approved	demo		interface
-DPS-20230	A	4374	The PRONG CI shall ~~provide~~ report PRONG ~~S~~security events ~~Management data~~ to the MSS ~~using a MSS provided Security Management API~~.	approved	demo		interface
-PLS-02010	B	9073	The PLANG CI shall be able to identify scheduling conflicts in site production plans.	approved	test		functional
-PLS-02030	B	9075	The PLANG CI shall identify conflicts in site production plans caused by cross-DAAC data dependencies.	approved	test		functional
-PLS-02040	B	9076	The PLANG CI shall be able to display (via GUI) cross-DAAC data dependencies in production plans.	approved	test		functional
-PLS-02060	B	9078	The PLANG CI shall be able to account for cross-DAAC data dependencies in the site production plans it generates.	approved	test		functional
-PLS-02070	B	9079	The PLANG CI shall be able to concurrently display information from ~~integrate~~ ~~coordinate~~ multiple DAAC site production plans ~~to produce a coordinated plan~~.	approved	test		functional

-PLS-02200	B	9098	The PLANG CI shall have the capability to ~~automatically~~ extract ~~pertinent scheduling information based on operator supplied criteria~~ temporal subsets from a production or resource plan and save them to a file.	approved	test		functional

ABLE 3: Table 3 shows the requirtements that shall be deleted from RTM MAIN by this CCR.

~~S-PLS-00300~~	~~A~~	~~4927~~	~~The PLANG CI shall accept ground events to describe the allocation of data processing resources to non-production tasks.~~		~~functional~~
~~S-PLS-00310~~	~~A~~	~~4928~~	~~The PLANG CI specification of ground events shall include priorities, dependencies, and estimated duration.~~		~~functional~~
~~S-PLS-02080~~	~~B~~	~~9080~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send routine scheduling information to other sites.~~		~~functional~~
~~S-PLS-02090~~	~~B~~	~~9081~~	~~The PLANG CI shall able to receive routine scheduling information from other sites.~~		~~functional~~
~~S-PLS-02100~~	~~B~~	~~9082~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send scheduling request information to other sites.~~		~~functional~~
~~S-PLS-02110~~	~~B~~	~~9083~~	~~The PLANG CI shall able to receive scheduling request information from other sites.~~		~~functional~~
~~S-PLS-02120~~	~~B~~	~~9084~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send schedule conflict alert information to other sites.~~		~~functional~~
~~S-PLS-02130~~	~~B~~	~~9085~~	~~The PLANG CI shall able to receive schedule conflict alert information from other sites.~~		~~functional~~
~~S-PLS-02140~~	~~B~~	~~9086~~	~~The PLANG CI shall provide the operations and management staff at a site the ability to send emergency scheduling information to other sites.~~		~~functional~~
~~S-PLS-02150~~	~~B~~	~~9087~~	~~The PLANG CI shall able to receive emergency scheduling information from other sites.~~		~~functional~~
~~S-PLS-02160~~	~~B~~	~~9088~~	~~The PLANG CI shall be able to send routine scheduling information to other sites~~		~~functional~~
~~S-PLS-02170~~	~~B~~	~~9089~~	~~The PLANG CI shall be able to send scheduling request information to other sites~~		~~functional~~
~~S-PLS-02180~~	~~B~~	~~9090~~	~~The PLANG CI shall be able to send schedule conflict alert information to other sites~~		~~functional~~
~~S-PLS-02190~~	~~B~~	~~9091~~	~~The PLANG CI shall be able to send emergency scheduling information to other sites~~		~~functional~~

able 4: Table 4 contain the NEW LEVEL_4 to add to RTM MAIN.

L4 ID	Rel	RTM key	L4 Rqmt Text	Rqt Status	Rqt Type	Verif Method	Clarification
C-MSS-60235	A	NEW	The MSS Fault Management application service shall provide configuration management information to the PLANG CI for resource planning.	approved	interface	demo	
S-PLS-00305	A	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the exclusive allocation of planned site resources to default activities and ground events.	approved	interface	test	
S-PLS-00306	B	NEW	The PLANG CI shall provide the capability to display a site resources plan covering an operator specified time interval, in text report and timeline display format, to a resolution of one minute which describes the shared allocation of planned site resources to default activities and ground events.	approved	interface	demo	Shared allocation means a resource may be allocated to more than one event.
S-PLS-00307	A	NEW	The PLANG CI shall, when a ground event is scheduled, identify and display (via GUI) conflicts with previously scheduled ground events.	approved	interface	test	
S-PLS-00312	A	NEW	The PLANG CI shall provide the capability to receive MSS site configuration management information for resource planning.	approved	interface	demo	
S-PLS-00315	A	NEW	The PLANG CI shall provide the capability to maintain a list of planned site resources, via GUIs, with the specific capabilities to add, update, delete, and query on site resources.	approved	interface	test	
S-PLS-00320	A	NEW	The PLANG CI shall provide the capability to associate a default activity to a planned site resource.	approved	functional	test	
S-PLS-00322	B	NEW	The PLANG CI shall be capable of setting up dependencies between services and hardware resources.	approved	functional	demo	
S-PLS-00325	A	NEW	The PLANG CI shall provide the capability to enter, via GUIs, site resource requests, to support ground events.	approved	interface	test	
S-PLS-00330	A	NEW	The PLANG CI shall provide the capability to maintain site resource requests, via GUIs, with the specific capabilities to add, update, delete, and query on site resource requests.	approved	interface	test	
S-PLS-00335	A	NEW	The PLANG CI shall provide the capability to review site resource requests, via GUIs, for the purpose of validation and to set or update the site resource request validation status field.	approved	interface	test	

S-PLS-00340	A	NEW	The PLANG CI shall provide the capability to review site resource requests, via GUIs, and to set the status of the site resource request in one of the following states: 1) New 2) Validated 3) Approved 4) Rejected.	approved	interface	test	
S-PLS-00345	A	NEW	The PLANG CI shall provide the capability to generate a planned site resource report.	approved	functional	test	
S-PLS-00350	A	NEW	The PLANG CI shall provide the capability to generate site resource request reports.	approved	functional	test	
S-PLS-00355	B	NEW	The PLANG CI shall provide the capability to generate reports providing a comparison of planned vs. actual resource usage.	approved	functional	test	
S-PLS-00360	B	NEW	The PLANG CI shall be able to provide site resource plans to PLANG CI's at other sites	approved	interface	test	
S-PLS-00365	B	NEW	The PLANG CI shall be able to import saved site resource plans.	approved	interface	test	
S-PLS-00370	B	NEW	The PLANG CI shall be able to save site resource plans to a file.	approved	functional	test	
S-PLS-00375	B	NEW	The PLANG CI shall provide the capability to initiate a site ground event script associated with a resource request in the resource plan at the planned for time.	approved	functional	test	
S-PLS-00380	B	NEW	The PLANG CI shall log the start time of ground events it executes.	approved	functional	test /analysis	
S-PLS-00385	B	NEW	The PLANG CI shall log the end time of ground events it executes.	approved	functional	test /analysis	
S-PLS-00715	B	NEW	The PLANG CI shall be able to provide a high-level, aggregate view of production plans.	approved	functional	test	
S-PLS-02210	B	NEW	The PLANG CI shall have the capability to extract subsets of a production plan based on user selected Production Requests and save them to a file.	approved	functional	test	

able 5: Table 5 shows the REQ_BY_REL requirement modifications that shall be made in RTM MAIN by this CCR.

RbR ID	RTM Key	Rel	Seg Alloc	L3 RbR Text	S_Verif Method	S_Verif Status	Rqt Category	A_Verif Method	A_Verif Status	Rqt Title	RbR Type	Interpretation
SDPS0016#B	5061	B	SDPS	The SDPS shall coordinate and resolve schedule conflicts between IMS, DADS and PGS.	test	un-verified	mission essential	test	un-verified	Resolve Sched Conflicts	functional	Planning confirms as a part of production scheduling that Ingest and Data Server are available.
SMC-0320#B	5143	B	CSMS | SDPS	The SMC shall be capable of scheduling ground activities to a minimum of one minute resolution.	test	un-verified	mission essential	test	un-verified	Ground Activity scheduling	functional	~~B: Full compliance.~~ Resource Planning at DAACs and SMC; B: Shared allocation, Planned vs. Actual Reports
SMC-0330#B	5145	B	CSMS	The SMC shall be capable of executing events to a minimum of one minute resolution.	test	un-verified	mission essential	test	un-verified	Events execution	functional	~~B: Full compliance~~
SMC-1300#A	4215	A	CSMS	The SMC shall support and maintain the ECS policies and procedures regarding instrument and ground event scheduling, including, at a minimum: a. Mission and science guidelines b. Directives for scheduling instrument data ingest, processing, reprocessing, retrieval, and data distribution	test	un-verified	mission critical	test	un-verified	ECS Policies & Procedures Maint.	functional	A: Full capability. Performed manually, except to the extent the staff opts to automate by using office automation tools and e-mail~~. THE SMC SHOULD BE ABLE TO ACCEPT EDOS PDS DELIVERY RECORDS~~

SMC-1300#B	5153	B	CSMC	The SMC shall support and maintain the ECS policies and procedures regarding instrument and ground event scheduling, including, at a minimum: a. Mission and science guidelines b. Directives for scheduling instrument data ingest, processing, reprocessing, retrieval, and data distribution	test	un-verified	mission critical	test	un-verified	ECS Policies & Procedures	functional	~~B: THE SMC SHOULD BE ABLE TO ACCEPT ADS DELIVERY RECORDS. THE SMC INTERFACE TO MAKE LONG TERM SCIENCE PLANS AND LONG TERM INSTRUMENT PLANS AVAILABLE TO THE ASTER ICC~~
SMC-1310#A	4218	A	SDPS	The SMC shall support and maintain the allocation of ground event functions and capabilities to each site and element.	test	un-verified	mission essential	test	un-verified	Maintain Ground Event functions	functional	Manually performed with support from office automation tools.
SMC-1310#B	5155	B	SDPS	The SMC shall support and maintain the allocation of ground event functions and capabilities to each site and element.	test	un-verified	mission essential	test	un-verified	Maintain Ground Event functions	functional	Manually performed with support from office automation tools.

SMC-1315#B	5156	B	CSMS	The LSM shall provide each elements scheduling function with access to the system-wide scheduling information, including, at a minimum: a. ECS policies and procedures regarding instrument and ground event scheduling b. Other elements plans and schedules c. Element allocations of ground event functions and capabilities d. Product generation information e. Scheduling directives for testing, maintenance, and emergency situations	test	un-verified	mission critical	test	un-verified	LSM's provision of sys-wide sched.	functional	~~B: Full capability~~ Manually performed with support from office automation tools.
SMC-1320#A	4219	A	SDPS	The SMC shall support and maintain priorities used in scheduling ground events.	test	un-verified	mission essential	test	un-verified	Maintain Ground Event Priorities	functional	SMC handling of ground events is viewed as manually supported by office automation tools. Priorities supported for resource planning at sites.
SMC-1320#B	5158	B	SDPS	The SMC shall support and maintain priorities used in scheduling ground events.	test	un-verified	mission essential	test	un-verified	Maintain Ground Event Priorities	functional	SMC handling of ground events is viewed as manually supported by office automation tools. Priorities supported for resource planning at sites.

SMC-1325#B	5159	B	CSMS	The LSM shall provide the operations and management staff at a site or element the capability to communicate scheduling information to and receive scheduling information from the SMC, including, at a minimum: a. Routine scheduling information b. Request scheduling information c. Schedule conflict alert information d. Emergency scheduling information.	test	un-verified	mission critical	test	un-verified	LSM's comm with M&O staff	functional	~~B: Full capability~~ Viewed as information sharing
SMC-1330#A	4224	A	CSMS	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum: a. Product information b. Product generation information c. Product delivery information	test	un-verified	mission critical	test	un-verified	Maintain Info for Data Ingest	functional	MSS collection and handling of product specific tracking data. MSS maintains log files.
SMC-1330#B	5160	B	CSMS	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum: a. Product information b. Product generation information c. Product delivery information	test	un-verified	mission critical	test	un-verified	Maintain info for data ingest	functional	~~B: Full capability - semi-automated/automated. ACCEPT EDOS ARCHIVAL DATA SET (ADS) DELIVERY RECORDS~~ MSS collection and handling of product specific tracking data. MSS maintains log files

SMC-1340#A	4226	A	SDPS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element integration, testing, and simulation activities.	test	un-verified	mission essential	test	un-verified	Generation of Sched Dir for I&T, Sim	functional	~~A:~~ Manual exchange of schedules
SMC-1340#B	5162	B	SDPS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element integration, testing, and simulation activities.	test	un-verified	mission essential	test	un-verified	Generation of Sched Dir for I&T, Sim	functional	Manual exchange of schedules
SMC-1350#B	5164	B	CSMS	The SMC shall generate scheduling directives for system level, site-to-site, and element-to-element maintenance activities.	test	un-verified	mission essential	test	un-verified	Gen Sched Dir for Maintenance	functional	~~B: Performed by site staff using word processor or e-mail capability~~ This is viewed as manually supported by office automation tools, e-mail, etc.
SMC-1360#A	4231	A	CSMS	The SMC shall generate ground resource scheduling directives, or recommendations for FOS elements, in response to emergency situations.	test	un-verified	mission critical	test	un-verified	Gen Emergency Sched Dir for FOS	functional	This is viewed as procedural supported by office automation tools, e-mail, etc.
SMC-1360#B	5165	B	CSMS	The SMC shall generate ground resource scheduling directives, or recommendations for FOS elements, in response to emergency situations.	test	un-verified	mission critical	test	un-verified	Gen Emergency Sched Dir for FOS	functional	~~B: Full capability (automated)~~ This is viewed as manually supported by office automation tools, e-mail, etc.

SMC-1500#B	4656	B	CSMS	The SMC shall perform schedule conflict analysis and resolution services in response to a schedule conflict involving sites, ECS elements, or external elements, agencies, or organizations, except for conflicts associated with flight operations.	test	un-verified	mission essential	test	un-verified	Schedule conflict analysis	functional	~~B: Full capability~~ SMC uses plans generated and published by the sites to identify, resolve conflicts.
SMC-1600#B	4657	B	CSMS	The SMC shall receive product generation schedules from the DAACs and analyze the schedules for cross-DAAC dependencies (e.g., inputs that must be generated and provided by one DAAC before a product can be generated at another DAAC).	test	un-verified	mission essential	test	un-verified	Schedule analysis for cross-DAAC dep.	functional	~~B: Full capability~~ SMC views plans of sites, manually assess schedule conflicts. Schedule management is federated across the DAACs & SMC.
SMC-1610#B	4659	B	CSMS	The SMC shall recommend adjustments in the product generation schedules to ensure that product generation functions and the DAAC-to-DAAC data transfers required, are accomplished in accordance with overall mission requirements (e.g., without the development of a product generation backlog at any DAAC).	test	un-verified	mission essential	test	un-verified	Product gen sched adjustments	~~Functional~~ Procedural	~~B: Full capability~~ Recommendations from SMC are handled manually, transferred via email. Schedule management is federated across the DAACs & SMC.

SMC-1620#B	4660	B	CSMS	The SMC shall transmit the recommended schedules back to the DAACs for consideration, iterate with the DAACs as required, and develop a coordinated schedule for implementation.	test	un-verified	mission essential	test	un-verified	Sched iteration~~&&~~ coord with DAACs	~~Functional~~ interface	~~B: Full capability via e-mail~~ Recommendations from SMC are handled manually, transferred via email. Schedule management is federated across the DAACs & SMC.
SMC-3310#B	4910	B	CSMS	The SMC shall monitor each elements schedule and execution of events.	demo	un-verified	mission essential	demo	un-verified	Element sched & event monitoring	functional	~~B: Full capability~~ SMC monitors element schedules/ execution via sharing of reports, etc., facilitated through MSS.
SMC-3315#A	4289	A	SDPS	The LSM shall monitor its elements schedule and execution of events.	demo	un-verified	mission essential	demo	un-verified	Sched & execution of events monitor	functional	A: Performed by M&O staff using manual or semi-automated performance management tools. Also MSS monitors event logs.
SMC-3315#B	4912	B	SDPS	The LSM shall monitor its elements schedule and execution of events.	demo	un-verified	mission essential	demo	un-verified	Sched & execution of events monitor	functional	~~B: Fully automated.~~
SMC-3320#A	4291	A	CSMS	The SMC shall monitor execution of ground operations events.	demo	un-verified	mission critical	demo	un-verified	Ground event monitoring	~~functional~~ procedural	~~A: Manual~~ SMC monitors via MSS site reports. System monitoring is federated across the DAACs & SMC.

SMC-3320#B	4914	B	CSMS	The SMC shall monitor execution of ground operations events.	demo	un-verified	mission essential	demo	un-verified	Ground event monitoring	~~functional~~ procedural	B: Full capability Site MSS monitors only those scripts that are executed as a part of the ground event (Ref. SMC-0330#B). Note start/stop time. MSS monitors (Ref. SMC-3325#B) and reports with SMC. SMC has capability to perform this role for its site. System monitoring is federated across the DAACs & SMC.
SMC-3330#A	4295	A	CSMS	The SMC shall compare and evaluate system-wide, site, and element actual schedule performance against planned schedule performance.	demo	un-verified	mission critical	demo	un-verified	Compare/eval planned vs. actual	functional	A: Performed by M&O staff using ~~available performance management tools~~ flow up of available information from site MSS. System monitoring is federated across the DAACs & SMC.
SMC-3330#B	4919	B	CSMS	The SMC shall compare and evaluate system-wide, site, and element actual schedule performance against planned schedule performance.	demo	un-verified	mission essential	demo	un-verified	Compare/eval planned vs. actual	functional	~~B: Full capability~~ System monitoring is federated across the DAACs & SMC.

able 6: Table 6 shows the NEW REQ_BY_REL that shall be added to RTM MAIN.

RbR ID	Rel	RTM key	RbR Text	RbR Type	Interpretation	Rqt Categ	Rqt Title	Seg Alloc	S verific method	S verific Status	A verific method	A verific Status
SMC-0320#A	A	NEW	The SMC shall be capable of scheduling ground activities to a minimum of one minute resolution.	functional	Resource Planning at DAACs and SMC; A: Exclusive allocation	mission essential	Ground Activity scheduling	CSMS | SDPS	test	un-verified	test	un-verified

able 7: Table 7 presents the RbR to L4 links that shall be created.

L3 RbR ID	L4 ID
DADS2120#A	S-PLS-00760
DADS2120#A	S-PLS-00840
DADS2120#B	S-PLS-00760
DADS2120#B	S-PLS-00840
SDPS0016#B	S-PLS-00305
SDPS0016#B	S-PLS-00710
SMC-0320#A	S-PLS-00305
SMC-0320#A	S-PLS-00307
SMC-0320#A	S-PLS-00312
SMC-0320#A	C-MSS-60235
SMC-0320#A	S-PLS-00315
SMC-0320#A	S-PLS-00320
SMC-0320#A	S-PLS-00325
SMC-0320#A	S-PLS-00330
SMC-0320#A	S-PLS-00335
SMC-0320#A	S-PLS-00340
SMC-0320#A	S-PLS-00345
SMC-0320#A	S-PLS-00350
SMC-0320#B	S-PLS-00305
SMC-0320#B	S-PLS-00306
SMC-0320#B	S-PLS-00307
SMC-0320#B	S-PLS-00312
SMC-0320#B	C-MSS-60235
SMC-0320#B	S-PLS-00315
SMC-0320#B	S-PLS-00320
SMC-0320#B	S-PLS-00325
SMC-0320#B	S-PLS-00330
SMC-0320#B	S-PLS-00335
SMC-0320#B	S-PLS-00340
SMC-0320#B	S-PLS-00345
SMC-0320#B	S-PLS-00350
SMC-0320#B	S-PLS-00355
SMC-0330#B	S-PLS-00375
SMC-1300#A	C-CSS-62060

SMC-1300#A	C-MSS-91010
SMC-1300#A	C-CSS-61020
SMC-1300#A	C-CSS-60620
SMC-1300#B	C-CSS-62060
SMC-1300#B	C-MSS-91010
SMC-1300#B	C-CSS-61020
SMC-1300#B	C-CSS-60620
SMC-1305#B	S-PLS-00360
SMC-1305#B	S-PLS-00365
SMC-1305#B	S-PLS-00370
SMC-1310#A	C-MSS-91010
SMC-1310#A	C-CSS-61020
SMC-1310#A	C-CSS-60620
SMC-1310#A	C-CSS-62060
SMC-1310#B	C-MSS-91010
SMC-1310#B	C-CSS-61020
SMC-1310#B	C-CSS-60620
SMC-1310#B	C-CSS-62060
SMC-1315#B	S-PLS-00360
SMC-1315#B	S-PLS-00365
SMC-1315#B	S-PLS-00370
SMC-1315#B	S-PLS-02050
SMC-1315#B	C-MSS-91010
SMC-1315#B	C-CSS-61020
SMC-1315#B	C-CSS-60620
SMC-1315#B	C-CSS-62060
SMC-1320#A	C-MSS-91010
SMC-1320#A	C-CSS-61020
SMC-1320#A	C-CSS-60620
SMC-1320#A	C-CSS-62060
SMC-1320#A	S-PLS-00305
SMC-1320#A	S-PLS-00325
SMC-1320#A	S-PLS-00330
SMC-1320#B	C-MSS-91010
SMC-1320#B	C-CSS-61020
SMC-1320#B	C-CSS-60620

SMC-1320#B	C-CSS-62060
SMC-1320#B	S-PLS-00305
SMC-1320#B	S-PLS-00306
SMC-1320#B	S-PLS-00325
SMC-1320#B	S-PLS-00330
SMC-1325#B	C-MSS-91010
SMC-1325#B	C-CSS-61020
SMC-1325#B	C-CSS-60620
SMC-1325#B	C-CSS-62060
SMC-1330#A	C-MSS-76000
SMC-1330#A	C-MSS-76010
SMC-1330#A	C-MSS-76020
SMC-1330#A	C-MSS-77000
SMC-1330#A	C-MSS-77010
SMC-1330#A	C-MSS-77030
SMC-1330#A	S-IOS-00510
SMC-1330#A	S-PLS-01410
SMC-1330#A	S-PLS-01470
SMC-1330#A	S-PLS-01430
SMC-1330#A	S-PLS-01500
SMC-1330#B	C-MSS-76000
SMC-1330#B	C-MSS-76010
SMC-1330#B	C-MSS-76020
SMC-1330#B	C-MSS-77000
SMC-1330#B	C-MSS-77010
SMC-1330#B	C-MSS-77030
SMC-1330#B	S-IOS-00510
SMC-1330#B	S-PLS-01410
SMC-1330#B	S-PLS-01470
SMC-1330#B	S-PLS-01430
SMC-1330#B	S-PLS-01500
SMC-1335#B	S-PLS-02210
SMC-1335#B	C-MSS-91010
SMC-1335#B	C-CSS-61020
SMC-1335#B	C-CSS-60620
SMC-1335#B	C-CSS-62060

SMC-1340#A	C-MSS-91010
SMC-1340#A	C-CSS-61020
SMC-1340#A	C-CSS-60620
SMC-1340#A	C-CSS-62060
SMC-1340#B	C-MSS-91010
SMC-1340#B	C-CSS-61020
SMC-1340#B	C-CSS-60620
SMC-1340#B	C-CSS-62060
SMC-1345#A	S-PLS-00305
SMC-1345#A	S-PLS-00325
SMC-1345#B	S-PLS-00305
SMC-1345#B	S-PLS-00306
SMC-1345#B	S-PLS-00325
SMC-1350#B	C-MSS-91010
SMC-1350#B	C-CSS-61020
SMC-1350#B	C-CSS-60620
SMC-1350#B	C-CSS-62060
SMC-1360#A	C-CSS-62060
SMC-1360#A	C-MSS-91010
SMC-1360#A	C-CSS-61020
SMC-1360#A	C-CSS-60620
SMC-1360#B	C-CSS-62060
SMC-1360#B	C-MSS-91010
SMC-1360#B	C-CSS-61020
SMC-1360#B	C-CSS-60620
SMC-1500#B	S-PLS-02030
SMC-1500#B	S-PLS-02040
SMC-1500#B	S-PLS-00715
SMC-1500#B	S-PLS-00307
SMC-1500#B	S-PLS-00322
SMC-1600#B	S-PLS-02070
SMC-1630#B	C-MSS-91010
SMC-1630#B	C-CSS-61020
SMC-1630#B	C-CSS-60620
SMC-1630#B	C-CSS-62060
SMC-3310#B	C-MSS-92080

SMC-3310#B	C-MSS-92090
SMC-3310#B	C-MSS-92100
SMC-3310#B	C-MSS-92110
SMC-3310#B	C-MSS-92120
SMC-3310#B	C-MSS-92130
SMC-3315#A	S-PLS-00840
SMC-3315#A	S-PLS-00305
SMC-3315#A	S-PLS-01410
SMC-3315#A	S-PLS-01430
SMC-3315#A	S-PLS-01500
SMC-3315#A	S-DPS-20120
SMC-3315#A	S-DPS-20140
SMC-3315#A	S-DPS-20230
SMC-3315#B	C-MSS-92080
SMC-3315#B	C-MSS-92090
SMC-3315#B	C-MSS-92100
SMC-3315#B	C-MSS-92110
SMC-3315#B	C-MSS-92120
SMC-3315#B	C-MSS-92130
SMC-3315#B	S-PLS-00840
SMC-3315#B	S-PLS-00305
SMC-3315#B	S-PLS-01410
SMC-3315#B	S-PLS-01430
SMC-3315#B	S-PLS-01500
SMC-3315#B	S-DPS-20120
SMC-3315#B	S-DPS-20140
SMC-3315#B	S-DPS-20230
SMC-3325#B	S-PLS-00385
SMC-3325#B	S-PLS-00380
SMC-3330#B	C-MSS-92080
SMC-3330#B	C-MSS-92090
SMC-3330#B	C-MSS-92100
SMC-3330#B	C-MSS-92110
SMC-3330#B	C-MSS-92120
SMC-3330#B	C-MSS-92130
SMC-3335#A	S-PLS-00840

SMC-3335#A	S-PLS-00305
SMC-3335#A	S-PLS-01410
SMC-3335#A	S-PLS-01430
SMC-3335#A	S-PLS-01500
SMC-3335#A	S-DPS-20120
SMC-3335#A	S-DPS-20140
SMC-3335#A	S-DPS-20230
SMC-3335#B	C-MSS-92080
SMC-3335#B	C-MSS-92090
SMC-3335#B	C-MSS-92100
SMC-3335#B	C-MSS-92110
SMC-3335#B	C-MSS-92120
SMC-3335#B	C-MSS-92130
SMC-3335#B	S-PLS-00840
SMC-3335#B	S-PLS-00305
SMC-3335#B	S-PLS-01410
SMC-3335#B	S-PLS-01430
SMC-3335#B	S-PLS-01500
SMC-3335#B	S-DPS-20120
SMC-3335#B	S-DPS-20140
SMC-3335#B	S-DPS-20230

able 8: Table 8 presents the RbR to L4 links that shall be deleted.

L3 RbR ID	L4 ID
SMC-0320#B	~~S-PLS-01200~~
SMC-1300#B	~~C-MSS-50235~~
SMC-1300#B	~~C-MSS-51120~~
SMC-1305#B	~~C-MSS-50235~~
SMC-1305#B	~~C-MSS-51120~~
SMC-1310#A	~~S-PLS-01200~~
SMC-1310#A	~~S-PLS-00300~~
SMC-1310#B	~~S-PLS-01200~~
SMC-1310#B	~~S-PLS-00300~~
SMC-1310#B	~~C-MSS-50235~~
SMC-1310#B	~~C-MSS-51120~~
SMC-1315#B	~~C-MSS-75165~~
SMC-1320#A	~~S-PLS-00310~~
SMC-1320#B	~~S-PLS-00310~~
SMC-1320#B	~~C-MSS-50235~~
SMC-1320#B	~~C-MSS-51120~~
SMC-1325#B	~~S-PLS-02080~~
SMC-1325#B	~~S-PLS-02090~~
SMC-1325#B	~~S-PLS-02100~~
SMC-1325#B	~~S-PLS-02110~~
SMC-1325#B	~~S-PLS-02120~~
SMC-1325#B	~~S-PLS-02130~~
SMC-1325#B	~~S-PLS-02140~~
SMC-1325#B	~~S-PLS-02150~~
SMC-1325#B	~~S-PLS-02160~~
SMC-1325#B	~~S-PLS-02170~~
SMC-1325#B	~~S-PLS-02180~~
SMC-1325#B	~~S-PLS-02190~~
SMC-1330#A	~~C-CSS-20000~~
SMC-1330#B	~~C-CSS-20000~~
SMC-1330#B	~~C-CSS-10820~~
SMC-1330#B	~~C-CSS-10840~~
SMC-1330#B	~~C-CSS-10850~~
SMC-1330#B	~~C-MSS-36490~~
SMC-1345#A	~~S-PLS-00710~~
SMC-1345#A	~~S-PLS-00310~~

SMC-1345#B	~~S-PLS-00710~~
SMC-1345#B	~~S-PLS-00310~~
SMC-1350#B	~~C-MSS-50235~~
SMC-1610#B	~~S-PLS-02060~~
SMC-1620#B	~~S-PLS-02050~~
SMC-1620#B	~~S-PLS-02070~~
SMC-1630#B	~~S-PLS-01200~~
SMC-3315#A	~~C-MSS-66000~~
SMC-3315#B	~~C-MSS-66001~~
SMC-3315#B	~~C-MSS-92540~~
SMC-3320#A	~~C-MSS-66000~~
SMC-3320#B	~~C-MSS-66001~~